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ABSTRACT OF THE DISCLOSURE

5 A data processing system has the following construction in order to
reduce the memory capacity and the cost. There are provided a plurality
of processors to execute to input image data a series of processings
including Log conversion, MTF correction, gamma correction and
10 binarization in a prescribed order and a memory to store pixel data to be
processed and a state flag to represent the state of processing the pixel data
in association with each other. Processings by the plurality of processors
are executed asynchronously. The plurality of processors share the
15 memory.